III 1.0

4.5
5.0
5.6
6.3
7.1

2.8

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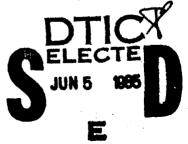2.0

III 1.1

III 1.8

III 1.25 III 1.4 III 1.6

MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

NAVAL SEA SYSTEMS COMMAND
LOGISTIC SUPPORT ANALYSIS
IMPLEMENTATION PROCEDURES

APPENDIX A
GENERIC LOGISTIC SUPPORT ANALYSIS
STATEMENT OF WORK

FINAL REPORT NO. CMLD-CR-32-85

CONTRACT NO. N00167-84-D-0012

APRIL 1985

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
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20. ABSTRACT (Continue on reverse side If necessary and identify by block number)

This report provides a generic Logistic Support Analysis (LSA) statement of work (SOW) and instructions for tailoring the SOW to a specific NAVSEA ship, weapon system, and equipment acquisition. This report is to be used in conjunction with, and is Appendix A to, NAVSEA LSA Implementation Procedures. NAVSEA LSA Implementation Procedures is published under contract N00167-84-D-0039, final report number CMLD-CR-16-85, dated January 1985.

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LSA IMPLEMENTATION PROCEDURES
APPENDIX A
GENERIC LSA STATEMENT OF WORK

Instructions: This generic Logistic Support Analysis (LSA) state-
ment of work expands the outline presented on page 2-4 of this
document and provides a sample to be used for developing program
specific statements of work. It is not to be used as is. The
logistic manager must tailor this generic statement of work by
performing the following steps:

1. Answer the series of YES/NO questions presented on pages 3-9
through 3-13 of this document. This will determine the LSA sub-
tasks to be performed for your program.

2. Document the answers to the series of YES/NO questions from
step 1 on the worksheet provided on pages 3-14 through 3-16 of this
document. This will provide a list of LSA subtasks to be performed
and the attendant Data Item Descriptions.

3. Proceed to section 1.2, Scope, of this generic statement of
work, starting on page A-3. Refer to the instructions in brackets
contained within the lettered item. Delete those items that will
not apply to this contract. Re-letter section 1.2 to reflect
changes.

4. Proceed to section 3.2.1, LSA Tasks, of this generic statement
of work, starting on page A-7. Using the worksheet from step 2,
delete those LSA subtasks that do not apply to your program. Re-
number section 3.2.1 to reflect changes.

5. Proceed to section 4.0, DATA ITEM DESCRIPTIONS, starting on page
A-11. Delete those Data Item Descriptions that do not apply to this
contract. Refer to the paragraph numbers in brackets by each Data
Item Description. If these paragraphs have been deleted from the
generic statement of work, delete the corresponding data item.
Refer to the worksheet from step 2 for clarification.

6.   Refer to section 3.2.2.2, LSAR, on page A-9. This section
specifies an automated LSAR. Most NAVSEA LSARs will be automated.
However, if your program does not necessitate an automated LSAR
using the guidelines delineated on page 1-4 of this document, modify
section 3.2.2.2 as appropriate. If this occurs, section 3.2.2.3,
LSAR Access Requirements, must also be modified to delete the
requirement for a computer terminal.

7.   Read the entire tailored statement of work and change [END
ITEM] to the name of your program and insert the acquisition phase
of your program in [ACQUISITION PHASE]. Delete instructions con-
tained in brackets. Also ensure complete compatibility with your
LSA program requirements.

8.   Determine which LSA data records are required to record the
data resulting from this LSA program. Refer to the worksheet
developed in step 2. Tailor the Logistic Support Analysis Data
Item Description (DI-L-7145) to specify only those LSA data records
required for your program.

9.   Complete the DD Form 1949-1 that is presented on pages A-13
through A-28. This form becomes a part of the statement of work
and specifies which data elements the contractor will provide on
the LSA data records. MIL-STD-1388-2A provides guidelines for
preparing the DD Form 1949-1.

10.   If LSA subtask 401.2.10, ILS Output Products, is specified,
select the desired LSA output summaries listed on pages 3-17 and
3-18 of this document. (NOTE: As of March 1985 it has not been
determined that these output summaries meet NAVSEA data require-
ments. It is not advised to procure the data in the form of an
output summary. Continue to order data by specifying the
applicable data item descriptions. If all LSAR data is required as
a deliverable product, specify DI-L-7159, LSA-015 Sequential Task
Description Report; DI-L-7180, LSA-060 LSA Control Number Master
File; and DI-L-7181, LSA-061 Parts Master File. These three data
items will provide access to all LSAR data, but not to specific
output summaries.)

LOGISTIC SUPPORT ANALYSIS
STATEMENT OF WORK

1.0 **GENERAL**. This section establishes the requirement for the contractor's Logistic Support Analysis (LSA) program. LSA is prescribed by MIL-STD-1388-1A to influence design as it relates to logistics and to develop logistic support resource requirements. The LSA program shall be the basis for the integration of logistic support elements into the design process and shall provide the interface between the design, engineering and logistic programs. The contractor's LSA program shall closely interface with the contractor's reliability and maintainability program. The contractor shall establish procedures for monitoring subcontractor/ vendor activities to ensure their compliance with the requirements of this contract.

1.1 **Purpose**. The purpose of this statement of work and the LSA is to ensure that integrated and effective logistic support is provided for the [END ITEM]. The overall objectives of the contractor's LSA shall be:

    a. Development of supportability factors, objectives, goals and constraints.

    b. Achievement of [END ITEM] design characteristics that serve to increase supportability, minimize maintenance requirements, and reduce the total logistic support burden.

    c. Identification of all valid logistic support resources required for maintenance and operation of the [END ITEM].

    d. Complete integration of all logistic support elements, at minimimum achievable cost.

1.2 **Scope**. The LSA program established herein shall apply to the [END ITEM] [ACQUISITION PHASE]; to engineering and LSA data changes incorporated as the result of redesign and test and evaluation; and to LSA data base updating. The LSA program shall include, but not be limited to: [SEE STEP 3 OF INSTRUCTIONS ON PAGE A-1]

    a. The identification of LSA candidates for detailed examination.

b. The identification of supportability factors related to the intended use of the new system or equipment. [IF ANY 201 SUBTASKS ARE SELECTED]

c. The identification of design constraints based on existing and planned logistic support resources. [IF ANY 202 SUBTASKS ARE SELECTED]

d. The conduct of a comparative analysis for determining supportability, cost, and readiness drivers of the LSA candidates. [IF ANY 203 SUBTASKS ARE SELECTED]

e. The identification of emerging technology with potential application to current design. [IF ANY 204 SUBTASKS ARE SELECTED]

f. The identification of supportability, design, cost and readiness objectives and constraints. [IF ANY 200 SERIES TASKS ARE SELECTED]

g. Collection and use of data from engineering analyses such as failure mode criticality and effects, reliability and maintainability, human factors, and safety.

h. Generation and tracking of support related hardware and software design recommendations.

i. The conduct of a preventive maintenance analysis using the RCM method of MIL-P-24534A (Navy). [IS SUBTASK 301.2.4.2 IS SELECTED]

j. The identification of operations and support functions and operations and maintenance tasks to satisfy function requirements. [IF ANY 302 SUBTASKS ARE SELECTED]

k. Performance of logistic element analyses and tradeoffs. [IF ANY 303 SUBTASKS ARE SELECTED]

l. The conduct of an LOR analysis, as defined by MIL-STD-1390B. [IF SUBTASK 303.2.7 IS SELECTED]

m. The conduct of a task analysis to define tasks, procedures, skills and logistic support resources needed to accomplish all operations and maintenance tasks. [IF ANY 401 SUBTASKS ARE SELECTED]

n. Optimization of logistic elements.

o. The establishment and maintenance of an LSA Record (LSAR) to serve as the definitive source of data for ILS resource requirements determination.

p. Participation in LSA program reviews, design reviews, and
    test and evaluation that examine logistic supportability.

q. Update of the LSA data base after supportability test and
    evaluation.

r. Revisions of the LSA data base due to engineering changes.

1.3 Application. The requirements of this section apply to the
[ACQUISITION PHASE] of the [END ITEM]. These requirements shall be
applied as part of the system engineering process.

2.0 APPLICABLE DOCUMENTS. The following documents of the issue in
effect on the date of contract award are applicable.

2.1 Guidance. The following documents provide guidance:

DoDD 5000.39   Acquisition and Management of Integrated
                          Logistic Support for Systems and Equipment

SECNAVINST 5000.39   Acquisition and Management of Integrated
                          Logistic Support (ILS) for Systems and
                          Equipment

NAVMATINST 3000.2   Operational availability of weapon systems
                          and equipments; definitions and policy

NAVMATINST 4000.20B   Integrated Logistic Support Planning
                          Policy

NAVSEAINST 4790.1A   Expanded Ship Work Breakdown Structure
                          (ESWBS) for all Ships, and Ship Combat
                          Systems

2.2 Specifications. The following documents form a part of this
requirement to the extent defined in this section.

MIL-STD-470A   Maintainability Program for Systems and
                          Equipment

MIL-STD-785B   Reliability Program for Systems and Equip-
                          ment Development and Production

MIL-STD-1388-1A   Logistic Support Analysis

MIL-STD-1388-2A	DoD Requirements for a Logistic Support Analysis Record
MIL-STD-1390B	Level of Repair
MIL-STD-1472C	Human Engineering Design Criteria for Military Systems, Equipment and Facilities
MIL-STD-1629A	Procedures for Performing a Failure Mode, Effects and Criticality Analysis
MIL-P-24534A (Navy)	Planned Maintenance System: Development of Maintenance Requirement Cards, Maintenance Index Pages, and Associated Documentation

3.0 <u>REQUIREMENTS</u>. The contractor shall establish an LSA program to fulfill the requirements defined herein. The logistic engineering efforts and data provided in fulfillment of these requirements shall form the ILS technical data base for the [END ITEM]. This data base shall be used for development of the support requirements for the [END ITEM]. Additionally, the contractor shall use the data developed in response to related programs in the performance of logistic support analysis.

3.1 <u>LSA Program Management</u>. The contractor shall plan, organize, direct, and control the performance of the LSA in accordance with the Government approved LSA plan. The LSA plan shall be developed by the contractor in accordance with MIL-STD-1388-1A Task 102 and 103.2.1. LSA management shall account for, as a minimum:

    a. LSA milestone and resource planning and tracking.

    b. LSA data base management and configuration control.

    c. Establishment of technical liaison between contractor design engineering and logistic engineering groups as specified by MIL-STD-1388-1A Task 103.2.3.

    d. Establishment of technical liaison with subcontractor, vendors, and Government furnished equipment manufacturers.

    e. Logistic support and supportability related inputs to the design process, and tracking of results.

f.   Attendance at design reviews, and action to ensure achieve-
     ment of optimum [END ITEM] maintenance and supportability
     characteristics without duplication or redundancy of effort
     relative to design and logistics. This shall be accomplish-
     ed in accordance with MIL-STD-1388-1A Task 103.2.2.

g.   Periodic LSA program reviews, and status and problem
     definition reports in accordance with MIL-STD-1388-1A Task
     103.2.4.

3.2 **LSA Program Requirements**. The contractor shall execute an LSA
program applying selected tasks of MIL-STD-1388-1A identified below.
The contractor shall document the results of the analyses progres-
sively as the design matures and the analyses occur. The analyses
shall include variances dictated by platform and operational scenar-
io. The contractor shall ensure the identification and traceability
of analyses documentation to subsequent LSA data records. The
products of the following tasks shall be delivered to the Government
in accordance with the CDRL.

3.2.1 **LSA Tasks**. [SEE STEP 4 OF INSTRUCTIONS ON PAGE A-1]

3.2.1.1 **Use Study**. The contractor shall perform tasks 201.2.1,
201.2.2, 201.2.3 and 201.2.4.

3.2.1.2 **Mission Hardware, Software and Support System Standardiza-
tion**. The contractor shall perform tasks 202.2.1, 202.2.2, 202.2.3,
and 202.2.4.

3.2.1.3 **Comparative Analysis**. The contractor shall perform tasks
203.2.1, 203.2.2, 203.2.3, 203.2.4, 203.2.5, 203.2.6, and 203.2.7.

3.2.1.4 **Technological Opportunities**. The contractor shall perform
tasks 204.2.1, 204.2.2, and 204.2.3.

3.2.1.5 **Supportability and Supportability Related Design Factors**.
The contractor shall perform task 205.2.3.

3.2.1.6 <u>Functional Requirements Identification</u>. The contractor shall perform tasks 301.2.1, 301.2.2, 301.2.3, 301.2.4.1, 301.2.4.2, 301.2.4.3, 301.2.5, 301.2.6.

3.2.1.7 <u>Support System Alternatives</u>. The contractor shall perform tasks 302.2.1, 302.2.2, 302.2.3, 302.2.4, and 302.2.5.

3.2.1.8 <u>Evaluation of Alternatives and Tradeoff Analysis</u>. The contractor shall perform tasks 303.2.1, 303.2.2, 303.2.3, 303.2.4, 303.2.5, 303.2.6, 303.2.7, 303.2.8, 303.2.10, 303.2.11, and 303.2.12.

3.2.1.9 <u>Task Analysis</u>. The contractor shall perform tasks 401.2.1, 401.2.3, 401.2.4, 401.2.5, 401.2.6, 401.2.7, 401.2.8, 401.2.9, 401.2.10, and 401.2.11.

3.2.1.10 <u>Early Fielding Analysis</u>. The contractor shall perform tasks 402.2.1, 402.2.2, 402.2.3, 402.2.4, and 402.2.5.

3.2.1.11 <u>Post Production Support Analysis</u>. The contractor shall perform task 403.2.

3.2.1.12 <u>Supportability Test, Evaluation and Verification</u>. The contractor shall perform tasks 501.2.1, 501.2.2, 501.2.3, 501.2.4, and 501.2.5.

3.2.2 <u>LSA Data Base</u>. The contractor shall establish and maintain a permanent LSA data base to serve as the central repository of logistics engineering and analysis data. All data entries shall be approved for use, released, and controlled by the contractor's LSA manager. All appropriate activities (reliability, maintainability, system engineering, supportability, safety, human engineering) shall input to and participate in the review of all LSA data base entries.

Updates to the LSA data base shall be treated as new data and shall be subject to the same procedures. The data base shall be comprised of three elements: (1) data resulting from the performance of the LSA tasks listed in paragraph 3.2.1, above; (2) engineering design and performance information; and (3) LSA Record (LSAR) data. The LSA data base shall be the sole logistics engineering data base for the [END ITEM] and shall be updated continually to reflect current analytical and logistic resource information.

3.2.2.1 <u>Design Information</u>. The contractor shall capture and disseminate engineering design and performance information, from the beginning of the design effort, to serve as the design audit trail for support resource planning, design tradeoff study inputs, and support analysis documentation preparation which is essential for both design and support analysis efforts. Results of the LSA will be disseminated, along with the basic information collected, to appropriate activities (i.e., reliability, maintainability, system engineering, safety, human engineering) for purposes of planning and analysis.

3.2.2.2 <u>LSAR</u>. The contractor shall establish and maintain an LSAR in accordance with MIL-STD-1388-2A. The LSAR shall contain the data created from performing the LSA tasks specified in paragraph 3.2.1, herein, and recorded on LSA records as specified in the CDRL. The LSA records shall be completed to the extent specified in the DD Form 1949-1, LSAR Data Selection Sheet, attached to this statement of work. The LSAR shall be automated and may be in the contractor's format provided it meets the requirements of MIL-STD-1388-2A and is approved by the Government. The Government's LSAR automated model may be used by the contractor for the program.

3.2.2.3 <u>LSAR Access Requirements</u>. The contractor shall provide a data terminal to allow the Navy to access the contractor's LSAR. As part of this system, a suitable computer terminal shall be

PART I			LSAR DATA SELECTION SHEET	
CARD/BLOCK NUMBER	DED NO		DATA ELEMENT NAME	REQUIRED
			LSAR DATA RECORD G (Continued)	
08-5	083		JUSTIFICATION	
			LSAR DATA RECORD J	
01-1	197		LOGISTIC SUPPORT ANALYSIS CONTROL NUMBER (Applies to complete J Record) ▲	
01-2	023		ALTERNATE LSA CONTROL NUMBER CODE (Applies to complete J Record as needed) ▲	
01-3	081		ITEM NAME	
01-4	139		FEDERAL SUPPLY CODE FOR MANUFACTURERS	
01-5	099		DRAWING NUMBER	
01-6	536		USABLE ON CODE	
01-7	535		UPDATE CODE (Applies to complete J Record) ▲	
02-3	536		USABLE ON CODE	
03-3	051		CARD SEQUENCING CODE ▲	
03-4	177		ITEM DESCRIPTION	
04-3	051		CARD SEQUENCING CODE ▲	
04-4	083		DOD DEVELOPING AGENCY	
05-3	051		CARD SEQUENCING CODE ▲	
05-4	180		ITEM IDENTIFICATION	
06-3	051		CARD SEQUENCING CODE ▲	
06-4	418		SHIPPING MODES	
07-3	051		CARD SEQUENCING CODE ▲	
07-4	417		SHIPPING DIMENSIONS	
08-3	051		CARD SEQUENCING CODE ▲	
08-4	496		TOTAL NUMBER AND TYPE OF AXLES	
09-3	051		CARD SEQUENCING CODE ▲	
09-4	217		MAXIMUM AXLE LOAD	
10-3	051		CARD SEQUENCING CODE ▲	
10-4	150		GROUND CONTACT LENGTH	
11-3	051		CARD SEQUENCING CODE ▲	
11-4	149		GROUND CONTACT AREA	
12-3	051		CARD SEQUENCING CODE ▲	
12-4	444		SPECIAL SHIPPING REQUIREMENTS	
13-3	051		CARD SEQUENCING CODE ▲	
13-4	491		TIEDOWN PROVISIONS	
14-3	051		CARD SEQUENCING CODE ▲	
14-4	191		LIFTING PROVISIONS	
15-3	051		CARD SEQUENCING CODE ▲	
15-4	381		REMARKS / OVERFLOW	

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PART I		LSAR DATA SELECTION SHEET		
CARD/ BLOCK NUMBER	DED NO	DATA ELEMENT NAME		REQUIRED
		LSAR DATA RECORD F (Continued)		
02-5 8,11	023	ALTERNATE LSA CONTROL NUMBER CODE		
02-6 9,12	467	TASK CODE		
03-3	051	CARD SEQUENCING CODE	▲	
03-4	115	FACILITIES REQUIREMENTS		
04-3	051	CARD SEQUENCING CODE	▲	
04-4	113	FACILITIES DESIGN CRITERIA		
05-3	051	CARD SEQUENCING CODE	▲	
05-4	114	FACILITIES INSTALLATION LEAD TIMES		
06-3	051	CARD SEQUENCING CODE	▲	
06-4	513	TYPE OF CONSTRUCTION		
07-3	051	CARD SEQUENCING CODE	▲	
07-4	537	UTILITIES REQUIREMENTS		
08-3	051	CARD SEQUENCING CODE	▲	
08-4	117	FACILITIES UTILIZATION		
09-3	051	CARD SEQUENCING CODE	▲	
09-4	119	FACILITY UNIT COST RATIONALE		
10-3	051	CARD SEQUENCING CODE	▲	
10-4	183	JUSTIFICATION		
		LSAR DATA RECORD G		
01-1	197	LOGISTIC SUPPORT ANALYSIS CONTROL NUMBER (Applies to complete G Record)	▲	
01-2	023	ALTERNATE LSA CONTROL NUMBER CODE (Applies to complete G Record as needed)	▲	
01-3	424	SKILL SPECIALTY CODE ASSIGNED NEW DUTY POSITION	▲	
01-4	106	END ITEM ACRONYM CODE		
01-5	414	SERVICE DESIGNATOR CODE		
01-6	139	FEDERAL SUPPLY CODE FOR MANUFACTURERS		
01-7	098	DRAWING CLASSIFICATION		
01-8	411	SERIAL NUMBER EFFECTIVITY		
01-9	535	UPDATE CODE (Applies to complete G Record)	▲	
02-3	424	SKILL SPECIALTY CODE ASSIGNED NEW DUTY POSITION	▲	
02-4	101	DUTY POSITION REQUIRING A NEW OR REVISED SKILL		
02-5	434	SKILL SPECIALTY FROM WHICH PERSONNEL CAN BE OBTAINED		
02-6	489	TEST SCORE		
02-7	399	SECURITY CLEARANCE		
02-8	366	RECOMMENDED RANK / RATE / PAY PLAN / GRADE		
03-3	424	SKILL SPECIALTY CODE ASSIGNED NEW DUTY POSITION	▲	
03-4	051	CARD SEQUENCING CODE	▲	
03-5 8	197	LOGISTIC SUPPORT ANALYSIS CONROL NUMBER		
03-6 9	023	ALTERNATE LSA CONTROL NUMBER CODE		
03-7 10	467	TASK CODE		
04-3	424	SKILL SPECIALTY CODE ASSIGNED NEW DUTY POSITION	▲	
04-4	051	CARD SEQUENCING CODE	▲	
04-5	010	ADDITIONAL SKILL REQUIREMENT SKILL REQUIRING A NEW OR REVISED CODE		
05-3	424	SKILL SPECIALTY CODE ASSIGNED NEW DUTY POSITION	▲	
05-4	051	CARD SEQUENCING CODE	▲	
05-5	319	PHYSICAL AND MENTAL REQUIREMENTS		
06-3	424	SKILL SPECIALTY CODE ASSIGNED NEW DUTY POSITION	▲	
06-4	051	CARD SEQUENCING CODE	▲	
06-5	103	EDUCATIONAL QUALIFICATIONS ACADEMIC SUBJECTS. SPECIAL SUBJECTS. DEGREES. LICENSES. ETC		
07-3	424	SKILL SPECIALTY CODE ASSIGNED NEW DUTY POSITION	▲	
07-4	051	CARD SEQUENCING CODE	▲	
07-5	013	ADDITIONAL TRAINING REQUIREMENTS		
08-3	424	SKILL SPECIALTY CODE ASSIGNED NEW DUTY POSITION	▲	
08-4	051	CARD SEQUENCING CODE	▲	

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LSAR DATA SELECTION SHEET

CARD/ BLOCK NUMBER	DED NO.	DATA ELEMENT NAME	REQUIRED
		LSAR DATA RECORD E (Continued)	
17-4	011	ADDITIONAL SKILLS AND SPECIAL TRAINING REQUIREMENTS	
18-3	051	CARD SEQUENCING CODE ▲	
18-4	'83	JUSTIFICATION	
19-3	051	CARD SEQUENCING CODE ▲	
19-4	050	CARD REFERENCE	
19-5	111	EXPLANATION	
		LSAR DATA RECORD E1	
20-1	197	LOGISTIC SUPPORT ANALYSIS CONTROL NUMBER ▲	
20-2	023	ALTERNATE LSA CONTROL NUMBER CODE ▲	
20-3	181	ITEM NAME	
20-4	213	MANUFACTURER'S PART NUMBER	
20-5	139	FEDERAL SUPPLY CODE FOR MANUFACTURERS	
20-6	488	TEST REQUIREMENTS DOCUMENT NUMBER	
20-7	069	CONVERSION FACTOR	
21-3	214	MANUFACTURER'S PART NUMBER OVERFLOW	
22-4	306	PARAMETERS TO BE MEASURED	
22-5	449	STANDARDS FOR COMPARISON	
22-6	070	COORDINATED TEST PLAN	
22-7	477	TECHNICAL DATA PACKAGE	
22-8	400	SELF-TEST	
22-9	484	TEST, MEASUREMENT AND DIAGNOSTIC EQUIPMENT REGISTER INDEX NUMBER	
23-3	051	CARD SEQUENCING CODE ▲	
23-4	007	ADAPATER / INTERCONNECTION DEVICE(S)	
24-3	051	CARD SEQUENCING CODE ▲	
24-4	282	OPERATIONAL ATE / TMDE TEST PROGRAM	
25-3	051	CARD SEQUENCING CODE ▲	
25-4	286	OPERATIONAL TEST PROGRAM INSTRUCTION	
26-3	051	CARD SEQUENCING CODE ▲	
26-4	136	FAULT ISOLATION	
26-5	135	FAULT ISOLATED REPLACEABLE UNITS	
27-3	051	CARD SEQUENCING CODE ▲	
27-4	163	INSTALLATION FACTORS OR OTHER FACILITIES	
28-3	051	CARD SEQUENCING CODE ▲	
28-4	'83	JUSTIFICATION	
29-3	051	CARD SEQUENCING CODE ▲	
29-4	447	SPECIFICATIONS, CHARACTERISTICS, DESCRIPTION AND FUNCTION	
30-3	051	CARD SEQUENCING CODE ▲	
30-4	050	CARD REFERENCE	
30-5	112	EXPLANATION	
		LSAR DATA RECORD F	
01-1	197	LOGISTIC SUPPORT ANALYSIS CONTROL NUMBER (Applies to complete F Record) ▲	
01-2	023	ALTERNATE LSA CONTROL NUMBER CODE (Applies to complete F Record as needed) ▲	
01-3	106	END ITEM ACRONYM CODE	
01-4	414	SERVICE DESIGNATOR CODE	
01-5	139	FEDERAL SUPPLY CODE FOR MANUFACTURERS	
01-6	098	DRAWING CLASSIFICATION	
01-7	181	ITEM NAME (FACILITY)	
01-8	118	FACILITY CATEGORY CODE	
01-9	031	AREA	
01-10	524	UNIT OF MEASURE	
01-11	535	UPDATE CODE (Applies to complete F Record) ▲	
02-3	051	CARD SEQUENCING CODE ▲	
02-4,7,10	197	LOGISTIC SUPPORT ANALYSIS CONTROL NUMBER	

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LSAR DATA SELECTION SHEET

CARD/ BLOCK NUMBER	DED NO	DATA ELEMENT NAME	REQUIRED
		LSAR DATA RECORD E (Continued)	
06-9	336	PRODUCTION LEAD TIME	
06-10	547	YEAR OF FIELDING	
06-11	456	SUPPORT EQUIPMENT GROUPING	
06-12	330	PRE-POSITION CODE	
06-13	400	SELF TEST	
06-14	092	DEVELOPMENT STANDARD	
06-15	074	CRITICAL SUPPORT EQUIPMENT	
06-16	457	SUPPORT EQUIPMENT REQUIRED	
06-17	097	DOCUMENT IDENTIFIER CODE	
06-18	392	REPORTABLE ITEM CONTROL CODE	
06-19	048	CALIBRATION STANDARD	
06-20	047	CALIBRATION REQUIRED	
06-21	045	CALIBRATION INTERVAL	
06-22	049	CALIBRATION TIME	
06-23	046	CALIBRATION ITEM	
06-24	485	TEST POINTS	
06-25	483	TEST LANGUAGE	
07-3	175	ITEM CATEGORY CODE	
07-4	278	OPERATING CHARACTERISTICS	
07-5	450	STORAGE CHARACTERISTICS	
07-6	192	LINE ITEM NUMBER	
08-3	519	UNIT COST NONRECURRING	
08-4	528	UNIT PRICE MARKER	
08-5	520	UNIT COST RECURRING	
08-6	528	UNIT PRICE MARKER	
08-7	112	EXTENDED UNIT PRICE	
08-8	277	OPERATING AND SUPPORT COST	
08-9	235	MEAN TIME BETWEEN FAILURES	
08-10	236	MEAN TIME BETWEEN MAINTENANCE ACTIONS	
08-11	241	MEAN TIME TO REPAIR	
09-3	051	CARD SEQUENCING CODE ▲	
09-4	414	SERVICE DESIGNATOR CODE	
09-5	446	SPECIFIC AUTHORIZATION	
09-6	497	TOTAL QUANTITY	
09-7	423	SKILL SPECIALTY CODE	
09-8	291	OPERATOR'S MANUAL	
10-3	051	CARD SEQUENCING CODE ▲	
10-4	146	FUNCTIONS TO BE PERFORMED, C AND D RECORDS	
11-3	051	CARD SEQUENCING CODE ▲	
11-4	305	PARAMETERS MEASURED	
11-5	008	ADAPTER/INTERCONNECTION DEVICE REQUIRED	
11-6	402	SENSORS OR TRANSDUCERS	
11-7	160	INPUT POWER SOURCE	
12-3	051	CARD SEQUENCING CODE ▲	
12-4	007	ADAPTER INTERCONNECTION DEVICE(S)	
13-3	051	CARD SEQUENCING CODE ▲	
13-4	034	ATE/TMDE TEST PROGRAM	
14-3	051	CARD SEQUENCING CODE ▲	
14-4	486	TEST PROGRAM INSTRUCTION	
15-3	051	CARD SEQUENCING CODE ▲	
15-4	163	INSTALLATION FACTORS OR OTHER FACILITIES	
16-3	051	CARD SEQUENCING CODE ▲	
16-4	447	SPECIFICATION CHARACTERISTICS DESCRIPTION AND FUNCTION	
17-3	051	CARD SEQUENCING CODE ▲	

PART I			LSAR DATA SELECTION SHEET	
CARD/ BLOCK NUMBER	DED NO		DATA ELEMENT NAME	REQUIRED
			LSAR DATA RECORD D1 (Continued)	
06-7F-1	222		PREDICTED MEAN MAN-HOURS	
06-7F-2	222		MEASURED MAN-HOURS	
06-7G	468		TASK CONDITION	
06-7H	313		PERFORMANCE STANDARDS	
06-7I	504		TRAINING RECOMMENDATION	
06-7J	503		TRAINING RATIONALE	
06-7K	502		TRAINING LOCATION RATIONALE	
06-7L	469		TASK CRITICALITY	
07-3	467		TASK CODE ▲	
07-4	460		SUPPORT ITEM SEQUENCE CODE ▲	
07-5	372		REFERENCE NUMBER	
07-6	421		SIGNIFICANT CHARACTER CODE	
07-7	175		ITEM CATEGORY CODE	
07-8	181		ITEM NAME	
07-9	354		QUANTITY PER TASK	
07-10	524		UNIT OF MEASURE	
07-11	152		HARDNESS CRITICAL ITEM	
			LSAR DATA RECORD E	
01-1	197		LOGISTIC SUPPORT ANALYSIS CONTROL NUMBER (Applies to complete E Record) ▲	
01-2	023		ALTERNATE LSA CONTROL NUMBER CODE (Applies to complete E Record as needed.) ▲	
01-3	106		END ITEM ACRONYM CODE	
01-4	139		FEDERAL SUPPLY CODE FOR MANUFACTURERS	
01-5	098		DRAWING CLASSIFICATION	
01-6	411		SERIAL NUMBER EFFECTIVITY	
01-7	414		SERVICE DESIGNATOR CODE	
01-8	211		MANAGING COMMAND / AGENCY	
01-9	458		SUPPORT EQUIPMENT RECOMMENDATION DATA NUMBER	
01-10	459		SUPPORT EQUIPMENT RECOMMENDATION DATA NUMBER SUPERSEDED	
01-11	065		CONTRACTOR FURNISHED EQUIPMENT / GOVERNMENT FURNISHED EQUIPMENT	
01-12	066		CONTRACTOR TECHNICAL INFORMATION CODE	
01-13	535		UPDATE CODE (Applies to E and E1 Records) ▲	
02-3	181		ITEM NAME	
02-4	178		ITEM DESIGNATOR CODE	
02-5	063		CONTRACT NUMBER	
03-3	213		MANUFACTURER'S PART NUMBER	
03-4	139		FEDERAL SUPPLY CODE FOR MANUFACTURERS	
03-5	099		DRAWING NUMBER	
03-6	139		FEDERAL SUPPLY CODE FOR MANUFACTURERS	
03-7	134		FAMILY GROUP	
03-8	148		GENERIC CODE	
03-9	196		LOGISTIC CONTROL CODE	
03-10	102		ECONOMIC ANALYSIS	
03-11	256		MODIFICATION OR CHANGE	
03-12	198		LSA RECOMMENDATION CODE	
04-3	214		MANUFACTURER'S PART NUMBER OVERFLOW	
04-4	100		DRAWING NUMBER OVERFLOW	
05-3	259		NATIONAL STOCK NUMBER AND RELATED DATA	
05-4	536		USABLE ON CODE	
06-3	288		OPERATIONS / MAINTENANCE LEVEL	
06-4	436		SOURCE, MAINTENANCE AND RECOVERABILITY CODE	
06-5	510		TYPE CLASSIFICATION	
06-6	190		LIFE SPAN	
06-7	189		LIFE CYCLE STATUS	
06-8	109		ESTIMATED DEVELOPMENT TIME FIRST ARTICLE	

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LSAR DATA SELECTION SHEET

CARD/ BLOCK NUMBER	DED NO.	DATA ELEMENT NAME		REQUIRED
		LSAR DATA RECORD D (Continued)		
02-5	410	SEQUENTIAL TASK DESCRIPTION		
02-6	544	WORK AREA CODE		
02-7	316	PERSON IDENTIFIER		
02-8	223	MEAN MAN-MINUTES		
02-9	232	MEAN MINUTE ELAPSED TIME		
03-3	467	TASK CODE	▲	
03-4	051	CARD SEQUENCING CODE	▲	
03-5	406	SEQUENCE LINE NUMBER	▲	
03-6	403	SEQUENCE INSERTION LINE NUMBER	▲	
03-7	376	REFERENCED TASK		
03-7A	197	LOGISTIC SUPPORT ANALYSIS CONTROL NUMBER		
03-7B	023	ALTERNATE LSA CONTROL NUMBER CODE		
03-7C	467	TASK CODE		
03-7D	473	TASK IDENTIFICATION CODE	▲	
03-7E	407	SEQUENCE LINE NUMBER FROM	▲	
03-7F	404	SEQUENCE INSERTION LINE NUMBER FROM		
03-7G	408	SEQUENCE LINE NUMBER TO	▲	
03-7H	405	SEQUENCE INSERTION LINE NUMBER TO		
04-3	467	TASK CODE		
04-4	425	SKILL SPECIALTY CODE - A		
04-5	224	MEAN MAN-MINUTES PER SKILL SPECIALTY CODE - A		
04-6	426	SKILL SPECIALTY CODE - B		
04-7	225	MEAN MAN-MINUTES PER SKILL SPECIALTY CODE - B		
04-8	427	SKILL SPECIALTY CODE - C		
04-9	226	MEAN MAN-MINUTES PER SKILL SPECIALTY CODE - C		
04-10	428	SKILL SPECIALTY CODE - D		
04-11	227	MEAN MAN-MINUTES PER SKILL SPECIALTY CODE - D		
04-12	233	MEAN MINUTES TOTAL ELAPSED TIME		
05-3	467	TASK CODE		
05-4	429	SKILL SPECIALTY CODE - E		
05-5	228	MEAN MAN-MINUTES PER SKILL SPECIALTY CODE - E		
05-6	430	SKILL SPECIALTY CODE - F		
05-7	229	MEAN MAN-MINUTES PER SKILL SPECIALTY CODE - F		
05-8	431	SKILL SPECIALTY CODE - G		
05-9	230	MEAN MAN-MINUTES PER SKILL SPECIALTY CODE - G		
05-10	432	SKILL SPECIALTY CODE - H		
05-11	231	MEAN MAN-MINUTES PER SKILL SPECIALTY CODE - H		
		LSAR DATA RECORD D1		
06-1	197	LOGISTIC SUPPORT ANALYSIS CONTROL NUMBER (Applies to complete D1 Record)	▲	
06-2	023	ALTERNATE LSA CONTROL NUMBER CODE (Applies to complete D1 Record as needed)	▲	
06-3	467	TASK CODE	▲	
06-4	051	CARD SEQUENCING CODE	▲	
06-5	220	MEAN ELAPSED TIME		
06-5A	220	PREDICTED		
06-5B	220	MEASURED		
06-6	456	SUPPORT EQUIPMENT GROUPING		
06-7	317	PERSONNEL SUMMARY		
06-7A	316	PERSON IDENTIFIER		
06-7B	422	SKILL LEVEL CODE		
06-7C	423	SKILL SPECIALTY CODE		
06-7D	433	SKILL SPECIALTY EVALUATION CODE		
06-7E	269	NUMBER OF PERSONS PER SKILL SPECIALTY CODE		
06-7F	222	MEAN MAN-HOURS PER SKILL SPECIALTY CODE		

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LSAR DATA SELECTION SHEET

CARD/BLOCK NUMBER	DED NO	DATA ELEMENT NAME		REQUIRED
		LSAR DATA RECORD B2 (Continued)		
18-3	128	FAILURE MODE INDICATOR	▲	
18-4	051	CARD SEQUENCING CODE	▲	
18-5,9	197	LOGISTICS SUPPORT ANALYSIS CONTROL NUMBER		
18-6,10	023	ALTERNATE LSA CONTROL NUMBER CODE		
18-7,11	467	TASK CODE		
18-8,12	476	TASK TIME		
		LSAR DATA RECORD C		
01-1	197	LOGISTIC SUPPORT ANALYSIS CONTROL NUMBER (Applies to complete C Record)	▲	
01-2	023	ALTERNATE LSA CONTROL NUMBER CODE (Applies to complete C Record as needed.)	▲	
01-3	106	END ITEM ACRONYM CODE		
01-4	414	SERVICE DESIGNATOR CODE		
01-5	139	FEDERAL SUPPLY CODE FOR MANUFACTURERS		
01-6	098	DRAWING CLASSIFICATION		
01-7	411	SERIAL NUMBER EFFECTIVITY		
01-8	536	USABLE ON CODE	▲	
	536	OPTION 1		
	536	OPTION 2		
	536	OPTION 3		
01-9	535	UPDATE CODE (Applies to complete C Record)	▲	
02-3	536	USABLE ON CODE	▲	
03-3	181	ITEM NAME		
03-4	178	ITEM DESIGNATOR CODE		
03-5	069	CONVERSION FACTOR		
04-3	213	MANUFACTURER'S PART NUMBER		
04-4	139	FEDERAL SUPPLY CODE FOR MANUFACTURERS		
04-5	099	DRAWING NUMBER		
04-6	139	FEDERAL SUPPLY CODE FOR MANUFACTURERS		
04-7	545	WORK UNIT CODE / TECHNICAL MANUAL FUNCTIONAL GROUP CODE		
05-3	214	MANUFACTURER'S PART NUMBER OVERFLOW		
05-4	100	DRAWING NUMBER OVERFLOW		
06-3	467	TASK CODE	▲	
06-4	470	TASK FREQUENCY		
06-5	244	MEASUREMENT BASE		
06-6	472	TASK IDENTIFICATION		
06-7	473	TASK IDENTIFICATION CODE		
06-8	394	REQUIREMENTS FOR		
06-8A	394	FACILITIES REQUIREMENTS CODE		
06-8B	394	TRAINING EQUIPMENT REQUIREMENTS CODE		
06-8C	394	TOOL / SUPPLY EQUIPMENT REQUIREMENTS CODE		
06-9	242	MEANS OF DETECTION		
06-10	155	HAZARDOUS MAINTENANCE PROCEDURES CODE		
06-11	153	HARDNESS CRITICAL PROCEDURES		
06-12	479	TECHNICAL MANUAL CODE		
		LSAR DATA RECORD D		
01-1	197	LOGISTIC SUPPORT ANALYSIS CONTROL NUMBER (Applies to complete D Record except D02)	▲	
01-2	023	ALTERNATE LSA CONTROL NUMBER CODE (Applies to complete D Record as needed except D021)	▲	
01-3	467	TASK CODE		
01-4	473	TASK IDENTIFICATION CODE	▲	
01-5	472	TASK IDENTIFICATION		
01-6	535	UPDATE CODE (Applies to D and D1 Record)	▲	
02-1	473	TASK IDENTIFICATION CODE		
02-2	406	SEQUENCE LINE NUMBER	▲	
02-3	403	SEQUENCE INSERTION LINE NUMBER	▲	
02-4	451	SUBTASK / TASK ELEMENT CODE		

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PART I		LSAR DATA SELECTION SHEET		

CARD/ BLOCK NUMBER	OED NO.	DATA ELEMENT NAME		REQUIRED
		LSAR DATA RECORD B (Continued)		
09-3	051	CARD SEQUENCING CODE	▲	
09-4	348	QUALITATIVE AND QUANTATIVE MAINTAINABILITY REQUIREMENTS		
10-3	051	CARD SEQUENCING CODE	▲	
10-4	204	MAINTENANCE CONCEPT		
11-3	128	FAILURE MODE INDICATOR	▲	
11-4	051	CARD SEQUENCING CODE	▲	
11-5	333	PREVENTIVE MAINTENANCE		
11-5A	377	RELIABILITY CENTERED MAINTENANCE LOGIC RESULTS		
11-5B	095	DISPOSITION		
11-5C	197	LOGISTIC SUPPORT ANALYSIS CONTROL NUMBER		
11-5D	023	ALTERNATE LSA CONTROL NUMBER CODE		
11-5E	467	TASK CODE		
11-5F	476	TASK TIME		
11-5G	194	LOGIC UTILIZED		
12-3	128	FAILURE MODE INDICATOR	▲	
12-4	051	CARD SEQUENCING CODE	▲	
12-5	466	SYSTEM REDESIGN: RECOMMENDATION, DISPOSITION, RESULTS, REMARKS		
		LSAR DATA RECORD B1		
13-1	197	LOGISTIC SUPPORT ANALYSIS CONTROL NUMBER (*Applies to complete B1 Record*)	▲	
13-2	023	ALTERNATE LSA CONTROL NUMBER CODE (*Applies to complete B1 Record as needed.*)	▲	
13-3	128	FAILURE MODE INDICATOR	▲	
13-4	051	CARD SEQUENCING CODE	▲	
13-5	126	FAILURE MODE CODE		
13-6	125	FAILURE MODE AND CAUSE / DAMAGE MODE		
13-7	251	MISSION PHASE CODE		
13-8	252	MISSION PHASE / OPERATIONAL MODE		
13-9	131	FAILURE PROBABILITY LEVEL		
13-10	396	SAFETY HAZARD SEVERITY CODE		
14-3	128	FAILURE MODE INDICATOR	▲	
14-4	051	CARD SEQUENCING CODE	▲	
14-5	123	FAILURE EFFECT CODE		
14-6	120	FAILURE / DAMAGE EFFECTS: LOCAL, NEXT HIGHER, END EFFECT		
15-3	128	FAILURE MODE INDICATOR	▲	
15-4	051	CARD SEQUENCING CODE	▲	
15-5	122	FAILURE DETECTION METHOD CODE		
15-6	121	FAILURE DETECTION METHOD		
15-7	057	COMPENSATING PROVISIONS		
		LSAR DATA RECORD B2		
16-1	197	LOGISTIC SUPPORT ANALYSIS CONTROL NUMBER (*Applies to complete B2 Record*)	▲	
16-2	023	ALTERNATE LSA CONTROL NUMBER CODE (*Applies to complete B2 Record as needed.*)	▲	
16-3	128	FAILURE MODE INDICATOR	▲	
16-4	051	CARD SEQUENCING CODE	▲	
16-5	133	FAILURE RATE DATA SOURCE		
16-6	251	MISSION PHASE CODE		
16-7	396	SAFETY HAZARD SEVERITY CODE		
16-8	124	FAILURE EFFECT PROBABILITY		
16-9	129	FAILURE MODE RATIO		
16-10	132	FAILURE RATE		
16-11	280	OPERATING TIME		
16-12	127	FAILURE MODE CRITICALITY NUMBER		
16-13	176	ITEM CRITICALITY NUMBER		
17-3	128	FAILURE MODE INDICATOR	▲	
17-4	051	CARD SEQUENCING CODE	▲	
17-5	130	FAILURE PREDICTABILITY		

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LSAR DATA SELECTION SHEET

CARD/ BLOCK NUMBER	OED NO	DATA ELEMENT NAME	REQUIRED
		LSAR DATA RECORD B *(Continued)*	
01-4	414	SERVICE DESIGNATOR CODE	
01-5	139	FEDERAL SUPPLY CODE FOR MANUFACTURERS	
01-6	098	DRAWING CLASSIFICATION	
01-7	411	SERIAL NUMBER EFFECTIVITY	
01-8	536	USABLE ON CODE ▲	
	536	OPTION 1	
	536	OPTION 2	
	536	OPTION 3	
01-9	535	UPDATE CODE *(Applies to complete B, B1, and B2 Records)* ▲	
02-3	536	USABLE ON CODE ▲	
03-3	181	ITEM NAME	
03-4	178	ITEM DESIGNATOR CODE	
03-5	069	CONVERSION FACTOR	
04-3	213	MANUFACTURER'S PART NUMBER	
04-4	139	FEDERAL SUPPLY CODE FOR MANUFACTURERS	
04-5	099	DRAWING NUMBER	
04-6	139	FEDERAL SUPPLY CODE FOR MANUFACTURERS	
04-7	545	WORK UNIT CODE / TECHNICAL MANUAL FUNCTIONAL GROUP CODE	
05-3	214	MANUFACTURER'S PART NUMBER OVERFLOW	
05-4	100	DRAWING NUMBER OVERFLOW	
06-3	195	LOGISTIC CONSIDERATIONS	
06-4	040	BUILT IN TEST APPLICATION	
06-4A	040	DETECTABILITY LEVEL PERCENTAGE	
06-4B	040	FAULT ISOLATION	
06-5	040	BUILT IN TEST APPLICATION	
06-5A	040	DETECTABILITY LEVEL PERCENTAGE	
06-5B	040	FAULT ISOLATION	
06-6	041	BUILT IN TEST CANNOT DUPLICATE PERCENTAGE	
06-7	042	BUILT IN TEST RETEST OK PERCENTAGE	
06-8	321	PILOT REWORK / OVERHAUL CANDIDATE	
06-9	165	INTERIM CONTRACTOR SUPPORT	
06-10	152	HARDNESS CRITICAL ITEM	
06-11	158	INHERENT AVAILABILITY	
06-12	003	ACHIEVED AVAILABILITY	
06-13	283	OPERATIONAL AVAILABILITY	
06-14	540	WEAROUT LIFE	
06-15	244	MEASUREMENT BASE	
06-16	015	ADMINISTRATIVE AND LOGISTIC DELAY TIME	
07-3	379	RELIABILITY / MAINTAINABILITY INDICATOR CODE ▲	
07-4	235	MEAN TIME BETWEEN FAILURES	
07-5	236	MEAN TIME BETWEEN MAINTENANCE ACTIONS	
07-6	159	INHERENT MAINTENANCE FACTOR	
07-7	238	MEAN TIME BETWEEN MAINTENANCE INHERENT	
07-8	151	GROWTH RATE	
07-9	237	MEAN TIME BETWEEN MAINTENANCE INDUCED	
07-10	239	MEAN TIME BETWEEN MAINTENANCE NO DEFECT	
07-11	240	MEAN TIME BETWEEN PREVENTIVE MAINTENANCE	
07-12	244	MEASUREMENT BASE	
07-13	241	MEAN TIME TO REPAIR	
07-14	218	MAXIMUM TIME TO REPAIR	
07-15	312	PERCENTILE	
08-3	051	CARD SEQUENCING CODE	
08-4	179	ITEM FUNCTION	

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LSAR DATA SELECTION SHEET

CARD/ BLOCK NUMBER	DED NO	DATA ELEMENT NAME	REQUIRED
		LSAR DATA RECORD A (Continued)	
09-3	051	CARD SEQUENCING CODE ▲	
09-4	288	OPERATIONS / MAINTENANCE LEVEL ▲	
09-5	414	SERVICE DESIGNATOR CODE ▲	
09-6	270	NUMBER OF SYSTEMS SUPPORTED	
09-7	534	UNSCHEDULED MAINTENANCE	
09-7A	534	MEAN ELAPSED TIME	
09-7B	534	MEAN MAN-HOURS	
09-8	218	MAXIMUM TIME TO REPAIR	
09-9	312	PERCENTILE	
09-10	210	MAN-HOUR PER OPERATING HOUR	
09-10A	210	SCHEDULED	
09-10B	210	UNSCHEDULED	
09-11	026	ANNUAL MAN-HOURS	
09-11A	026	SCHEDULED	
09-11B	026	UNSCHEDULED	
09-12	508	TURNAROUND	
09-12A	508	MEAN ELAPSED TIME	
09-12B	508	MEAN MAN-HOURS	
10-3	051	CARD SEQUENCING CODE ▲	
10-4	288	OPERATIONS / MAINTENANCE LEVEL ▲	
10-5	414	SERVICE DESIGNATOR CODE ▲	
10-6	079	DAILY INSPECTION	
10-6A	079	MEAN ELAPSED TIME	
10-6B	079	MEAN MAN-HOURS	
10-7	328	PREOPERATIVE INSPECTION	
10-7A	328	MEAN ELAPSED TIME	
10-7B	328	MEAN MAN-HOURS	
10-8	323	POSTOPERATIVE INSPECTION	
10-8A	323	MEAN ELAPSED TIME	
10-8B	323	MEAN MAN-HOURS	
10-9	314	PERIODIC INSPECTION	
10-9A	314	MEAN ELAPSED TIME	
10-9B	314	MEAN MAN-HOURS	
10-10	253	MISSION PROFILE CHANGE	
10-10A	253	MEAN ELAPSED TIME	
10-10B	253	MEAN MAN-HOURS	
11-3	051	CARD SEQUENCING CODE ▲	
11-4,10,16	288	OPERATIONS / MAINTENANCE LEVEL ▲	
11-5,11,17	414	SERVICE DESIGNATOR CODE ▲	
11-6,12,18	423	SKILL SPECIALTY CODE	
11-7,13,19	422	SKILL LEVEL CODE	
11-8,14,20	358	QUANTITY SKILL SPECIALTY CODE AVAILABLE	
11-9,15,21	037	AVAILABLE MAN-HOURS	
12-3	051	CARD SEQUENCING CODE ▲	
12-4	181	ITEM NAME	
12-5	271	NUMBER TYPE	
12-6	260	NATIONAL STOCK NUMBER / REFERENCE NUMBER	
12-7	139	FEDERAL SUPPLY CODE FOR MANUFACTURERS	
13-3	051	CARD SEQUENCING CODE	
13-4	012	ADDITIONAL SPECIFICATIONS / REQUIREMENTS	
		LSAR DATA RECORD B	
01-1	197	LOGISTIC SUPPORT ANALYSIS CONTROL NUMBER (Applies to complete B Record) ▲	
01-2	023	ALTERNATE LSA CONTROL NUMBER CODE (Applies to complete B Record as needed) ▲	
01-3	106	END ITEM ACRONYM CODE	

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LSAR DATA SELECTION SHEET

CARD/ BLOCK NUMBER	DED NO	DATA ELEMENT NAME	REQUIRED
		LSAR DATA RECORD A	
01-1	197	LOGISTIC SUPPORT ANALYSIS CONTROL NUMBER *(Applies to complete A Record)* ▲	
01-2	023	ALTERNATE LSA CONTROL NUMBER CODE *(Applies to complete A Record as needed)* ▲	
01-3	106	END ITEM ACRONYM CODE	
01-4	414	SERVICE DESIGNATOR CODE	
01-5	139	FEDERAL SUPPLY CODE FOR MANUFACTURERS	
01-6	098	DRAWING CLASSIFICATION	
01-7	411	SERIAL NUMBER EFFECTIVITY	
01-8	536	USABLE ON CODE ▲	
	536	OPTION 1	
	536	OPTION 2	
	536	OPTION 3	
01-9	535	UPDATE CODE *(Applies to complete A Record)* ▲	
02-3	536	USABLE ON CODE ▲	
03-3	181	ITEM NAME	
03-4	178	ITEM DESIGNATOR CODE	
03-5	069	CONVERSION FACTOR	
04-3	213	MANUFACTURER'S PART NUMBER	
04-4	139	FEDERAL SUPPLY CODE FOR MANUFACTURERS	
04-5	099	DRAWING NUMBER	
04-6	139	FEDERAL SUPPLY CODE FOR MANUFACTURERS	
04-7	545	WORK UNIT CODE / TECHNICAL MANUAL FUNCTIONAL GROUP CODE	
05-3	214	MANUFACTURER'S PART NUMBER OVERFLOW	
05-4	100	DRAWING NUMBER OVERFLOW	
06-3,5,7	029	ANNUAL OPERATING REQUIREMENTS	
06-4,6,8	244	MEASUREMENT BASE	
06-9	285	OPERATIONAL REQUIREMENT INDICATOR	
06-10	027	ANNUAL NUMBER OF MISSIONS	
06-11	028	ANNUAL OPERATING DAYS	
06-12	234	MEAN MISSION DURATION	
06-13	244	MEASUREMENT BASE	
06-14	254	MODE OF TRANSPORT	
06-15	499	TOTAL SYSTEMS SUPPORTED	
06-16	073	CREW SIZE	
06-17	268	NUMBER OF OPERATING LOCATIONS	
07-3	051	CARD SEQUENCING CODE ▲	
07-4	248	MINIMUM ACCEPTABLE VALUE	
07-4A	235	MEAN TIME BETWEEN FAILURES	
07-4B	236	MEAN TIME BETWEEN MAINTENANCE ACTIONS	
07-4C	244	MEASUREMENT BASE	
07-4D	241	MEAN TIME TO REPAIR	
07-4E	219	MEAN ACTIVE MAINTENANCE DOWNTIME	
07-5	039	BEST OPERATIONAL CAPABILITY	
07-5A	235	MEAN TIME BETWEN FAILURES	
07-5B	236	MEAN TIME BETWEEN MAINTENANCE ACTIONS	
07-5C	244	MEASUREMENT BASE	
07-5D	241	MEAN TIME TO REPAIR	
07-5E	219	MEAN ACTIVE MAINTENANCE DOWNTIME	
08-3	218	MAXIMUM TIME TO REAPIR	
08-4	312	PERCENTILE	
08-5	158	INHERENT AVAILABILITY	
08-6	003	ACHIEVED AVAILABILITY	
08-7	283	OPERATIONAL AVAILABILITY	
08-8	015	ADMINISTRATIVE AND LOGISTIC DELAY TIME	

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DI-L-7159   LSA-015, Sequential Task Description Report [3.2.2.4]

DI-L-7180   LSA-060, LSA Control Number (LCN) Master File [3.2.2.4]

DI-L-7181   LSA-061, Parts Master File [3.2.2.4]

UDI-L-20304A   Planned Maintenance System Documentation [3.2.1.6]

tasking and data requirements. Agreements reached on the form and substance of the LSA program shall be incorporated into the LSA plan.

4.0 <u>DATA ITEM DESCRIPTIONS</u>. The following data items are part of this requirement to the extent required in this statement of work and the CDRL, DD Form 1423. [SEE STEP 5 OF INSTRUCTIONS ON PAGE A-1]

DI-L-2082A	Report, LOR (Level of Repair) Summary [3.2.1.8]
DI-L-2083A	Reports, LOR (Level of Repair) Status [3.2.1.8]
DI-L-2084A	Plan, LOR (Level of Repair) Program [3.2.1.8]
DI-L-2085A	Report, LOR (Level of Repair) Analysis [3.2.1.8]
DI-S-3606	System/Design Trade Study Reports [3.2.1.2, 3.2.1.6, 3.2.1.7, 3.2.1.8, 3.2.1.9]
DI-S-4057	Scientific and Technical Reports [3.2.1.5]
DI-L-7017A	LSA Plan [3.1, 3.3, 3.4]
DI-H-7068	Task and Skill Analysis Report [3.2.1.9]
DI-A-7088	Conference Agenda [3.1f, 3.1g, 3.5]
DI-A-7089	Conference Minutes [3.1f, 3.1g, 3.5]
DI-S-7115	Use Study Report [3.2.1.1]
DI-S-7116	Comparative Analysis Report [3.2.1.3]
DI-S-7117	Technological Opportunities Report [3.2.1.4]
DI-S-7118	Early Fielding Analysis Report [3.2.1.10]
DI-P-7119	Post Production Support Plan [3.2.1.11]
DI-S-7120	Supportability Assessment Plan [3.2.1.12]
DI-S-7121	Supportability Assessment Report [3.2.1.9, 3.2.1.12]
DI-L-7145	Logistic Support Analysis Record (LSAR) Data [3.2.1.5, 3.2.1.6, 3.2.1.9, 3.2.2.2] [SEE STEP 8 OF INSTRUCTIONS ON PAGE A-2]

installed at NAVSEA and at the contractor's facility. The contract-
or shall provide access to the software and a unique password to
allow for the full range of data base interrogation and output
generation provided by this system. In addition, the contractor
shall make the LSAR available for Government quarterly reviews.

3.2.2.4 LSA Data Delivery. Data shall be delivered in accordance
with the applicable Data Item Description listed in paragraph 4.0
and the CDRL.

3.3 LSA Candidate Selection. The contractor shall develop an LSA
candidate list and provide the list as part of the LSA plan. LSA
candidates shall be selected from the systems, subsystems, compon-
ents, assemblies, and subassemblies of the [END ITEM] and its
attendant support and training equipment. Only those candidates
that do not have an existing support posture, for the proposed
application, will be entered into the LSA process. Existing
support posture includes, but is not limited to: maintenance plan,
manpower and personnel, supply support, support and test equipment,
technical data, training and training devices, computer resources
support, facilities, and packaging, handling, storage, and trans-
portation. Candidates shall include contractor furnished equipment
and Government furnished equipment. The Government will review the
candidate list and designate those items approved for LSA.

3.4 LSA Control Numbers. The LSA process shall use a control
numbering system to establish a systematic breakdown of the [END
ITEM] into its functional systems, subsystems, component/assemblies
and parts. The control numbering system shall be related to a
functional group code and expanded ship work breakdown structure in
accordance with NAVSEAINST 4790.1A. The contractor shall delineate
the control numbering system to be used in the LSA plan.

3.5 LSA Guidance Conference. The contractor shall host/participate
in an LSA guidance conference within 30 days after contract award
to establish Government/contractor interfaces and to finalize LSA

LSAR DATA SELECTION SHEET

LSA-036 REPORT SELECTION

	R E Q D	L L T I L	P P L	S F P P L	C B I L	R I L	I S I L	P C L	T T E L	S C P L	D C N

SEQUENCE

LOGISTIC SUPPORT ANALYSIS RECORD CONTROL NUMBER	TOPDOWN											
	DISASSEMBLY											
	REFERENCE DESIGNATION											
REFERENCE NUMBER												

MEDIA

HARD COPY											
EAM PUNCHED CARDS											

MAGNETIC TAPE:

7-TRACK ☐	EVEN PARITY ☐	BCD CODED ☐
9-TRACK ☐	ODD PARITY ☐	EBCDIC CODED ☐
800 BPI ☐	1600 BPI ☐	6250 BPI ☐

NUMBER OF RECORDS PER BLOCK IS

HEADER DATA

PROCUREMENT INSTRUMENT IDENTIFICATION (PIIN/SPIIN)											
NOMENCLATURE OR MODEL OR TYPE NUMBER											
CONTROL DATA											
PRIME FEDERAL SUPPLY CODE FOR MANUFACTURERS (FSCM)											
SUBMISSION CONTROL CODE											
DATE (YYMMDD)											

H RECORD CARD AND BLOCK NUMBER	LSA-036 REPORT CARD AND BLOCK NUMBER	DED NO	DATA ELEMENT NAME	R E Q D	L L T I L	P P L	S F P P L	C B I L	R I L	I S I L	P C L	T T E L	S C P L	D C N
			AUTOMATED											
			MANUAL											
01-1	A-6	372	REFERENCE NUMBER (All H cards) ▲											
01-2		421	SIGNIFICANT CHARACTER CODE (All H cards as required)											
01-3		345	PROVISIONING SYSTEM IDENTIFIER CODE (All H cards)											
01-4	A-5	139	FEDERAL SUPPLY CODE FOR MANUFACTURERS											
01-5	A-7	373	REFERENCE NUMBER CATEGORY CODE											
01-6	A-10	337	PROGRAM PARTS SELECTION LIST											
01-7	A-8	375	REFERENCE NUMBER VARIATION CODE											
01-8	A-9	096	DOCUMENT AVAILABILITY CODE											
01-9	A-12	181	ITEM NAME											
01-10		346	PROVISIONING TECHNICAL DOCUMENTATION SELECTION CODE											
01-11	B-21	355	QUANTITY PER UNIT PACK											
01-12	C-37	498	TOTAL QUANTITY RECOMMENDED											
01-13	B-24	336	PRODUCTION LEAD TIME											
01-14	D-48	441	SPECIAL MATERIAL CONTENT CODE											
01-15	D-49	341	PROVISIONING LIST CATEGORY CODE											
01-16	D-50	439	SPECIAL MAINTENANCE ITEM CODE											
01-17	B-25	152	HARDNESS CRITICAL ITEM											

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PART II			LSAR DATA SELECTION SHEET	R E Q D	L L T I L	P P L	S F P P L	C B I L	R I L	I S I L	P C L	T T E L	S C P L	D C N
H/H1 RECORD CARD AND BLOCK NUMBER	LSA-036 REPORT CARD AND BLOCK NUMBER	DED NO	DATA ELEMENT NAME											
01-18	B-27	325	PRECIOUS METAL INDICATOR CODE											
01-19		535	UPDATE CODE (Applies to complete H Record) ▲											
02-4		374	REFERENCE NUMBER OVERFLOW											
02-5	B-15	259	NATIONAL STOCK NUMBER AND RELATED DATA											
02-6	B-18	521	UNIT OF ISSUE											
02-7	B-19	523	UNIT OF ISSUE PRICE											
02-8	B-20	522	UNIT OF ISSUE CONVERSION FACTOR											
02-9	A-13	415	SHELF-LIFE											
02-10	A-14	416	SHELF-LIFE ACTION CODE											
03-4		051	CARD SEQUENCING CODE ▲											
03-5	A-6	009	ADDITIONAL REFERENCE NUMBER											
03-6	A-5	139	FEDERAL SUPPLY CODE FOR MANUFACTURERS											
03-7	A-7	373	REFERENCE NUMBER CATEGORY CODE											
03-8	A-8	375	REFERENCE NUMBER VARIATION CODE											
03-9	C-40	216	MAXIMUM ALLOWABLE OPERATING TIME											
03-10	C-41	203	MAINTENANCE ACTION CODE											
03-11	B-26	320	PHYSICAL SECURITY / PILFERAGE CODE											
03-12	B-28	035	AUTOMATIC DATA PROCESSING EQUIPMENT CODE											
03-13	D-51	020	ALLOWANCE ITEM CODE											
03-14	D-52	021	ALLOWANCE ITEM QUANTITY											
04-4		051	CARD SEQUENCING CODE ▲											
04-5	B-17	525	UNIT OF MEASURE PRICE											
04-6		201	LOT QUANTITY											
04-7		075	CURRENT PRODUCTION CODE											
04-8		514	TYPE OF UNIT OF MEASURE PRICE CODE											
04-9		347	PROVISIONING UNIT OF MEASURE PRICE CODE											
04-10		141	FISCAL YEAR											
04-11	B-16	524	UNIT OF MEASURE											
04-12	E-62	066	CONTRACTOR TECHNICAL INFORMATION CODE											
04-13	E-63	004	ACQUISITION METHOD CODE											
04-14	E-65	005	ACQUISITION METHOD SUFFIX CODE											
04-15		139	FEDERAL SUPPLY CODE FOR MANUFACTURERS											
05-4	J-86	038	BASIS OF ISSUE											
			LSAR DATA RECORD H1											
			AUTOMATED											
			MANUAL											
09-1	A-6	372	REFERENCE NUMBER ▲											
09-2		421	SIGNIFICANT CHARACTER CODE											
09-3	H-76	197	LOGISTIC SUPPORT ANALYSIS CONTROL NUMBER (All H1 cards) ▲											
09-4	H-77	023	ALTERNATE LSA CONTROL NUMBER (All H1 cards as required)											
09-5		345	PROVISIONING SYSTEM IDENTIFIER CODE											
09-6		051	CARD SEQUENCING CODE ▲											
09-7	D-44	536	USABLE ON CODE ▲											
			OPTION 1											
			OPTION 2											
			OPTION 3											
09-8		535	UPDATE CODE (All H1 cards) ▲											
10-6		051	CARD SEQUENCING CODE ▲											
10-7	A-1	340	PROVISIONING CONTRACT CONTROL NUMBER											
10-8	A-4	157	INDENTURE CODE											
			ATTACHING HARDWARE											

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LSAR DATA SELECTION SHEET

H1 RECORD CARD AND BLOCK NUMBER	LSA-036 REPORT CARD AND BLOCK NUMBER	DED NO.	DATA ELEMENT NAME	R E Q O	L L T I L	P P L	S F P P L	C B I L	R I L	I S I L	P C L	T T E L	S C P L	O C N	
			OPTION 1												
			OPTION 2												
			OPTION 3												
			OPTION 4												
			OPTION 5												
			KIT												
			OPTION 1												
			OPTION 2												
			OPTION 3												
10-9	A-2	342	PROVISIONING LIST ITEM SEQUENCE NUMBER												
10-10	A-3	509	TYPE OF CHANGE CODE												
10-11	C-33	352	QUANTITY PER END ITEM												
			OPTION 1												
			OPTION 2												
10-12	C-29	261	NEXT HIGHER ASSEMBLY PROVISIONING LIST ITEM SEQUENCE NUMBER												
10-13	C-30	262	NHA PLISN INDICATOR												
10-14	C-31	298	OVERHAUL REPLACEMENT RATE												
10-15	C-38	397	SAME AS PROVISIONING LIST ITEM SEQUENCE NUMBER												
10-16	C-39	335	PRIOR ITEM PROVISIONING LIST ITEM SEQUENCE NUMBER												
10-17	C-32	351	QUANTITY PER ASSEMBLY												
			OPTION 1												
			OPTION 2												
10-18		080	DATA RECORD STATUS CODE												
10-19		461	SUPPRESSION INDICATOR CODE												
11-6		175	ITEM CATEGORY CODE												
11-7	B-22	436	SOURCE, MAINTENANCE, RECOVERABILITY CODE												
11-8	B-23	082	DEMILITARIZATION CODE												
11-9	B-34	206	MAINTENANCE REPLACEMENT RATE I												
			OPTION 1												
			OPTION 2												
11-10	B-35	207	MAINTENANCE REPLACEMENT RATE II												
			OPTION 1												
			OPTION 2												
11-11	B-36	208	MAINTENANCE REPLACEMENT RATE MODIFIER												
11-12	E-58	209	MAINTENANCE TASK DISTRIBUTION												
12-6	A-11	108	ESSENTIALITY CODE												
12-7	C 43	193	LINE REPLACEABLE UNIT												
12-8	C-42	266	NOT REPARABLE THIS STATION												
12-9	D-59	386	REPAIR SURVIVAL RATE												
12-10	D-53	250	MINIMUM REPLACEMENT UNIT												
12-11	D-55	364	RECOMMENDED INITIAL SYSTEM STOCK BUY												
12-12	D-54	365	RECOMMENDED MINIMUM SYSTEM STOCK LEVEL												
12-13	D-56	367	RECOMMENDED TENDER LOAD LIST QUANTITY												
12-14	E-61	090	DESIGNATED REWORK POINT												
13-6	E-59	385	REPAIR CYCLE TIME												
			OPTION 1												
			OPTION 2												
13-7	E-60	391	REPLACEMENT TASK DISTRIBUTION												
14-6		051	CARD SEQUENCING CODE ▲												
14-7	D-45	369	REFERENCE DESIGNATION												

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LSAR DATA SELECTION SHEET

-1 RECORD CARD AND BLOCK NUMBER	LSA-036 REPORT CARD AND BLOCK NUMBER	OED NO.	DATA ELEMENT NAME	R E Q D	L L T I L	P P L	S F P P L	C B I L	R I L	I S I L	P C L	T T E L	S C P L	D C N
			REFERENCE DESIGNATION ORIENTED EQUIPMENTS											
			OPTION 1											
			OPTION 2											
			NON-REFERENCE DESIGNATION ORIENTED EQUIPMENTS											
			OPTION 3											
			OPTION 4											
			OPTION 5											
14-8	D-46	371	REFERENCE DESIGNATOR OVERFLOW CODE											
14-9	D-47	370	REFERENCE DESIGNATION CODE											
15-6		051	CARD SEQUENCING CODE ▲											
15-7	J-79	479	TECHNICAL MANUAL CODE											
15-8	J-80	140	FIGURE NUMBER											
15-9	J-81	182	ITEM NUMBER											
15-10	J-82	478	TECHNICAL MANUAL CHANGE NUMBER											
15-11	J-83	480	TECHNICAL MANUAL INDENTURE CODE											
15-12	J-84	353	QUANTITY PER FIGURE											
15-13	J-85	545	WORK UNIT CODE / TECHNICAL MANUAL FUNCTIONAL GROUP CODE											
16-6		481	TECHNICAL MANUAL INDICATOR											
16-7		051	CARD SEQUENCING CODE ▲											
16-8	K-87	343	PROVISIONING NOMENCLATURE											
17-6		051	CARD SEQUENCING CODE ▲											
17-7	F-65	052	CHANGE AUTHORITY NUMBER											
17-8	F-66	164	INTERCHANGEABILITY CODE											
17-9	F-67	411	SERIAL NUMBER EFFECTIVITY											
17-10	F-69	389	REPLACED OR SUPERSEDING PROVISIONING LIST ITEM SEQUENCE NUMBER											
17-11	F-70	390	REPLACED OR SUPERSEDING PLISN INDICATOR											
18-6		051	CARD SEQUENCING CODE ▲											
18-7	F-65	052	CHANGE AUTHORITY NUMBER											
18-8	F-68	495	TOTAL ITEM CHANGES											
			OPTION 1											
			OPTION 2											
18-9	F-71	357	QUANTITY SHIPPED											
18-10	F-72	356	QUANTITY PROCURED											
18-11	F-74	338	PRORATED EXHIBIT LINE ITEM NUMBER											
18-12	F-75	339	PRORATED QUANTITY											
19-6		051	CARD SEQUENCING CODE ▲											
19-7	F-65	052	CHANGE AUTHORITY NUMBER											
19-8	F-73	087	DESIGN CHANGE NOTICE USABLE ON CODE											
20-6		051	CARD SEQUENCING CODE ▲											
20-7	K-87	380	REMARKS											

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PART II		LSAR DATA SELECTION SHEET		
CARD/ BLOCK NUMBER	DED NO	LSAR DATA RECORD H	PACKAGING DATA	REQUIRED
06-4	301	PACKAGING CATEGORY CODE		
06-5	245	METHOD OF PRESERVATION		
06-6	054	CLEANING AND DRYING PROCEDURE		
06-7	331	PRESERVATION MATERIAL CODE		
06-8	546	WRAPPING MATERIAL		
06-9	076	CUSHIONING AND DUNNAGE MATERIAL CODE		
06-10	077	CUSHIONING THICKNESS		
06-11	516	UNIT CONTAINER CODE		
06-12	168	INTERMEDIATE CONTAINER CODE		
06-13	169	INTERMEDIATE CONTAINER QUANTITY		
06-14	081	DEGREE OF PROTECTION CODE		
06-15	440	SPECIAL MARKING CODE		
06-16	527	UNIT PACK WEIGHT		
06-17	526	UNIT PACK SIZE		
06-18	442	SPECIAL PACKAGING INSTRUCTION NUMBER		
06-19	443	SPECIAL PACKAGING INSTRUCTION NUMBER REVISION		
06-20	303	PACKING CODE		
06-21	154	HAZARDOUS CODE		
07-4	517	UNIT CONTAINER LEVEL		
07-5	062	CONTAINER NATIONAL STOCK NUMBER		
07-6	292	OPTIONAL PROCEDURE INDICATOR		
07-7	529	UNIT SIZE		
07-8	530	UNIT WEIGHT		
07-9	139	FEDERAL SUPPLY CODE FOR MANUFACTURERS		
07-10	454	SUPPLEMENTAL PAKAGING DATA		
08-4	455	SUPPLEMENTAL PACKAGING DATA OVERFLOW		

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